

Date: Mon, 6 Jun 94 04:30:40 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #147  
To: Ham-Space

Ham-Space Digest                    Mon, 6 Jun 94                    Volume 94 : Issue 147

Today's Topics:

ANS-148 BULLETINS  
ANS-155 BULLETINS

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sun, 5 Jun 1994 17:03:43 MDT  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!alberta!ve6mgs!  
usenet@network.ucsd.edu  
Subject: ANS-148 BULLETINS  
To: ham-space@ucsd.edu

SB SAT @ AMSAT    \$ANS-148.01  
CALL FOR PAPERS

HR AMSAT NEWS SERVICE BULLETIN 148.01 FROM AMSAT HQ  
SILVER SPRING, MD MAY 28, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-148.01

Call For Papers For The AMSAT-NA Space Symposium & Annual Meeting

The 1994 AMSAT-NA Annual Meeting and Space Symposium is to be held Oct. 7-9, in Orlando, FL. This is a call for papers and presentors. Come help us celebrate 25 years of AMSAT in Space. Share your experience with the amateur satellite community. We need your help to be a success. Editing, formatting, graphics and even typing can be provided. Even if you

cannot attend, please consider a paper for publication.

Topics for all amateur satellite disciplines are sought. The following is the schedule for receiving papers for the Symposium:

Author and Title requested ASAP.  
Compose a short abstract by July 1.  
Final drafts are requested on or about August 26.

Direct your inputs and inquiries to:

Steve Park (WB90EP)  
12122 99th Ave. N.  
Seminole, FL 34642  
Phone: (813) 391-7515  
Internet: SKPA@QMGATE.ECI-ESYST.COM  
Pkt Radio: WB90EP @ W4DPH

Join us in Orlando, FL for the fun and festivities. For more information about the Symposium, contact AMSAT-NA Headquarters at (301) 589-6062.

/EX  
SB SAT @ AMSAT \$ANS-148.02  
K9PVW BECOMES A SILENT KEY

HR AMSAT NEWS SERVICE BULLETIN 148.02 FROM AMSAT HQ  
SILVER SPRING, MD MAY 28, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-148.02

KARL O. "K. O." LEARNER II, K9PVW, SK

An old friend to many in the amateur satellite world and long-time AMSAT member, "K.O." LEARNER II (K9PVW) became a Silent Key (SK) recently. "K.O" died on 16-May-94 at his home in Kokomo, Indiana. He was 49. For many years, "K.O." organized the AMSAT booth and programs at Dayton, worked tirelessly as an AMSAT area coordinator, and ran a local AMSAT Net. Also, many will remember him as the Net Control Station for what is today known as the "OPS Nets" in the early days of AO-13. "K.O." worked as an engineer for Delco Electronics in Kokomo. AMSAT-NA Headquarters wishes to express its condolences to "K.O's" family and friends and will remember him as a patient "ELMER" to many beginners trying to make their first contacts on the OSCARS.

[The AMSAT News Service (ANS) would like to thank Martha Saragovitz of AMSAT-NA Headquarters for this bulletin item.]

/EX

SB SAT @ AMSAT \$ANS-148.03  
DOVE STATUS

HR AMSAT NEWS SERVICE BULLETIN 148.03 FROM AMSAT HQ  
SILVER SPRING, MD MAY 28, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-148.03

DOVE-OSCAR-17 (D0-17) Status Report

On 25-MAY-94 at 05:25 UTC the DOVE Ground Command Team started loading and executing test software designed to assure the operation of the voice module after several months of dormancy. A brief test of the voice capability generated only garbled voice, so it was turned off. The Team is now investigating possible causes, and at this point believe it is a software problem, not hardware.

For the next few days DOVE may be in various modes as the Team continues testing and/or loading new software. The S-band transmitter will remain off. Telemetry reports are not needed at this time.

[The AMSAT News Service (ANS) would like to thank Jim White (WD0E) for submitting this bulletin item. WD0E can be reached at his INTERNET address of wd0e@amsat.org.]

/EX  
SB SAT @ AMSAT \$ANS-148.04  
OFFICIAL LO-19 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 148.04 FROM AMSAT HQ  
SILVER SPRING, MD MAY 28, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-148.04

Official LUSAT-OSCAR-19 (LO-19) Status Report

The satellite LUSAT-1 (LO-19) appears to be healthy. The software load was intentionally stopped when the second module was just loaded and turned on. The next step will be to continue with the satellite's deep tests. The satellite is sending telemetry on 437.125 MHz and its digipeater is turned on for now. To All Overseas Stations: If you have captured any LUSAT-1 telemetry you are requested to send the "raw" telemetry to the satellite control station and you will receive a certificate for your efforts. These tele-metry reports can be sent either via packet radio to:  
LU8DYF@LU8DYF.BA.ARGSOAM and LU8DYF@ANY-ACTIVE-SATELLITE, or via Internet to: lu8dyf@asarin.org.ar

If you intend to use the satellite, please remember that the BBS software

is NOT LOADED and it will NOT be operational for the next 3 weeks, approximately.

We wish to thanks LU8DYF and all the other stations that helped in the LUSAT-1 recovery: LU1DBC, LU1EXC, LU1FYZ, LU2BDT, LU2FHE, LU3AGY, LU4AGC, LU4FI0, LU6DYD, LU7ABF, LU7AKC, LU7DSU, LU7XAC, LU8ENU and LW1EE0.

73's de Eduardo Sweet, LU7AKC (LUSAT-1 recovery team)  
packet: lu7akc@lu7akc.#col.cf.arg.soam  
e-mail: lu7akc@asarin.org.ar

/EX

SB SAT @ AMSAT \$ANS-148.05  
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 148.05 FROM AMSAT HQ  
SILVER SPRING, MD MAY 28, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-148.05

Weekly OSCAR Status Reports: 28-MAY-94

A0-13: Current Transponder Operating Schedule:  
L QST \*\*\* A0-13 TRANSPONDER SCHEDULE \*\*\* 1994 May 07-Jul 11  
Mode-B : MA 0 to MA 170 |  
Mode-BS : MA 170 to MA 218 |  
Mode-S : MA 218 to MA 220 |<- S beacon only  
Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF  
Mode-BS : MA 230 to MA 250 | Alon/Alat 230/-5  
Mode-B : MA 250 to MA 256 |  
Omnis : MA 250 to MA 120 | Move to attitude 180/0, Jul 11  
[G3RUH/DB2OS/VK5AGR]

F0-20: The analog mode will be continued indefinitely.  
[Kazu Sakamoto (JJ1WTK) qga02014@niftyserve.or.jp]

K0-25: Please note that the K0-25 uplink was switched back to 145.980 MHz.  
The downlink is 436.500 MHz. [K60YY]

A0-16: A0-16 is chugging along, the only 1200 baud BBS bird running. [WH6I]

L0-19: L0-19 is undergoing re-uploading of software. The ground controllers state that it will not be available for general use for about a month. [WH6I]

I0-26: I0-26 is also in the software uploading process. Apparently both birds, i.e., L0-19 & I0-26, suffered SEUs at about the same time.  
[WH6I]

MIR: MIR'S BBS is up and running. It seems that whatever electrical power problems they were experiencing aboard MIR have now been sorted out. ZR5JRS has worked the MIR BBS on a number of occasions over the last week with only a few problems. The only problem he has experienced is with users down-range that do not send the disconnect command before MIR goes LOS at their QTH. If a several users forget to send the disconnect, ZR5JRS find that nobody can not get in since the BBS has not yet given a time out. Please don't forget to send a disconnect command before MIR goes "over-the-horizon" at your QTH. [ZR5JRS @ ZS0HFS.NTL.ZAF.AF]

RS-10\11: This satellite, as usual, is working extremely well and ZR5JRS has made many contacts throughout Southern Africa with good 599 signals. ZR5JRS notes that it is very pleasant to see a small but revived interest in RS-10 in South Africa. He hopes that it will last.

[ZR5JRS @ ZS0HFS.NTL.ZAF.AF]

KO-23: Some new earth images are now showing up on KO-23's BBS. WH6I notes that so far none of the images he has looked are very spectacular. [WH6I]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

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Date: Sun, 5 Jun 1994 17:03:23 MDT  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!alberta!ve6mgs!  
usenet@network.ucsd.edu  
Subject: ANS-155 BULLETINS  
To: ham-space@ucsd.edu

SB SAT @ AMSAT \$ANS-155.01  
DOVE SAYS "HI"

HR AMSAT NEWS SERVICE BULLETIN 155.01 FROM AMSAT HQ  
SILVER SPRING, MD JUNE 4, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-155.01

## DOVE-OSCAR-17 (DOVE) Voice Synthesizer Now Being Tested

The satellite is now speaking the phrase "HI, this is DOVE in space" for one minute of every four minutes. "HI" has been traditionally sent from Amateur satellites since OSCAR-1, so it seemed appropriate for this re-activation of the voice synthesizer in D0-17. The team will continue to work on improvements, including possibly raising the amplitude of the voice, which is presently about 1/2 that of the telemetry.

The speech software has been completely reloaded over the past 3 days. The S-band transmitter is presently turned off. Transmitter power will be optimized over the next few days while maintaining a positive power budget. Reception reports are welcome and please send them to PY2BJ0. Telemetry is not needed at this time.

[The AMSAT News Service would like to thank Jim White (WD0E) for this bulletin item. Jim also wishes to acknowledge the other members of the DOVE Ground Command Team of WJ9F, VK7ZBX, N5AHD, NK6K with additional support from WB6LL0 and K0RZ.]

/EX

SB SAT @ AMSAT \$ANS-155.02  
OFFICIAL LO-19 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 155.02 FROM AMSAT HQ  
SILVER SPRING, MD JUNE 4, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-155.02

Official LUSAT-OSCAR-19 Status Report

On 01-JUN-1994, during orbit #22739, the CW beacon was turned back on. This operation was performed by the control station of Norberto Pennini (LU8DYF) and by the station in charge of the CW beacon, Ruben Ferreiro (LU6DYD).

At the same time, LU8DYF, turned OFF the "B" transmitter (437.125 MHz) and turned ON the "A" transmitter (437.150 MHz). While this procedure was happening place, LU6DYD was capturing some telemetry. Then, when LU8DYF finally swapped the transmitters, and LU8DYD sent the necessary "pseudo-random" (PN) command sequence which subsequently turned on the CW beacon. After more than 9 months of being turned off, the CW beacon was started up again without any problems.

On 02-JUN-94, during orbit #22754, the CW beacon was turned OFF. This operation was again performed by LU8DYF and LU6DYD. LU6DYD turned OFF the CW beacon and LU8DYF agained swapped the two transmitters to be sure they

were both working properly. At the present time, the CW beacon is presently OFF and the "B" Raised Cosine PSK transmitter (437.125 MHz) is now ON.

The LUSAT-1 Recovery Team encourages those stations that have collected telemetry reports during this period to send them to LU8DYF for analyses purposes.

Overseas stations: If you capture any LUSAT-1 telemetry and send the "raw" satellite telemetry to the satellite control station, you will receive a certificate for your help. These telemetry reports can be sent either via packet radio to LU8DYF@LU8DYF.BA.ARGSOAM and LU8DYF@ANY-ACTIVE-SATELLITE, or via Internet to: lu8dyf@asarin.org.ar

If you intend to use the satellite, please remember that the BBS is NOT LOADED and it will NOT be operational for the next 2 weeks (approx.).

The LUSAT-1 recovery team want to thanks all the stations that sent LUSAT-1 telemetry data in RAW format.

The overseas stations that are will receive the Special Award are:

- 1) Mr. Norimasa Okamoto (JN2LHU) from Gamagori, Japan.
- 2) Mr. Bent Bagger (OZ6BL+OZ7SAT) from Denmark.

73's de Eduardo Sweet, LU7AKC (LUSAT-1 recovery team)

packet: lu7akc@lu7akc.#col.cf.arg.soam  
e-mail: lu7akc@asarin.org.ar

[The AMSAT News Service (ANS) would like to thank Eduard Sweet (LU7AKC) for this bulletin item.]

/EX  
SB SAT @ AMSAT \$ANS-155.03  
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 155.03 FROM AMSAT HQ  
SILVER SPRING, MD JUNE 4, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-155.03

Weekly OSCAR Status Reports: 04-JUN-94

A0-13: Current Transponder Operating Schedule:  
L QST \*\*\* A0-13 TRANSPONDER SCHEDULE \*\*\* 1994 May 07-Jul 11  
Mode-B : MA 0 to MA 170 |  
Mode-BS : MA 170 to MA 218 |  
Mode-S : MA 218 to MA 220 |<- S beacon only

Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF  
Mode-BS : MA 230 to MA 250 | Alon/Alat 230/-5  
Mode-B : MA 250 to MA 256 |  
Omnis : MA 250 to MA 120 | Move to attitude 180/0, Jul 11  
[G3RUH/DB2OS/VK5AGR]

F0-20: The analog mode will be continued indefinitely.  
[Kazu Sakamoto (JJ1WTK) qga02014@niftyserve.or.jp]

L0-19: L0-19 is on the air but only telemetry is being sent and there are  
are no BBS functions operational. Expect a few more weeks before  
the BBS returns. [WH6I]

K0-23: This bird and K0-25 are very busy at the present time with message  
and file traffic. Also, the program WISP can also be found on the  
BBS. WH6I also notes that there are alot of earth image files  
on the BBS. [WH6I]

A0-16: A0-16 is running strong, the only 1200 baud bird in operation at the  
present time. WH6I is uploading the WISP program to A0-16 for  
users to test out. [WH6I]

I0-26: I0-26 has not been heard from for awhile. [WH6I]

MIR: For all who have made a contact with MIR and would like to receive a  
QSL card, send your QSLs to the following address:

RV3DR-Serge Samburov, Space "MIR" QSL Manager  
Chief of Cosmonaut Amateur Radio Department NPO "Energia"  
P.O. BOX 73, Kaliningrad-10 city, Moscow Area, 141070, RUSSIA.  
RV3DR's packet radio address is as follows: RV3DR@R0MIR-1 or  
RV3DR@RK3KP.#MSK.RUS.EU

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly  
OSCAR status reports. If you have a favorite OSCAR which you work on a  
regular basis and would like to contribute to this bulletin, please send  
your observations to WD0HHU at his CompuServe address of 70524,2272, on  
INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO  
area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current  
set of orbital elements are not generating the correct AOS/LOS times at  
your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you  
provide will be of value to all OSCAR enthusiasts.

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